

OIKE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/825,751

DATE: 09/19/2001

TIME: 14:51:03

Input Set : A:\Cura-251.app

Output Set: N:\CRF3\09192001\I825751.raw

3 <110> APPLICANT: Vernet, Corine A. M.  
 4 Burgess, Catherine E  
 5 Fernandes, Elma R  
 6 Taupier, Raymond J  
 7 Quinn, Kerry E  
 8 Spytek, Kimberly A  
 9 Rastelli, Luca  
 10 Herrman, John L  
 12 <120> TITLE OF INVENTION: Novel Proteins and Nucleic Acids Encoding Same  
 14 <130> FILE REFERENCE: 15966-750  
 16 <140> CURRENT APPLICATION NUMBER: 09/825,751  
 C--> 17 <141> CURRENT FILING DATE: 2001-09-07  
 19 <150> PRIOR APPLICATION NUMBER: 60/194,314  
 20 <151> PRIOR FILING DATE: 2000-04-03  
 22 <150> PRIOR APPLICATION NUMBER: 60/225,693  
 23 <151> PRIOR FILING DATE: 2000-08-16  
 25 <160> NUMBER OF SEQ ID NOS: 85  
 27 <170> SOFTWARE: PatentIn Ver. 2.1

Does Not Comply  
 Corrected Diskette Needed

Sequence is  
 unintelligible

Gross Format Errors  
 Contact Robert Wax  
 at 703 308 4216

## ERRORED SEQUENCES

1733 <210> SEQ ID NO: 22  
 1734 <211> LENGTH: 20  
 1735 <212> TYPE: DNA  
 1736 <213> ORGANISM: Artificial Sequence  
 1738 <220> FEATURE:  
 1739 <223> OTHER INFORMATION: Description of Artificial Sequence:Forward Primer

E--&gt; 1740 ag, 390

W--&gt; 1742 &lt;210&gt; SEQ ID NO:

W--&gt; 1742 &lt;211&gt; LENGTH:

W--&gt; 1742 &lt;212&gt; TYPE:

W--&gt; 1742 &lt;213&gt; ORGANISM:

1742 &lt;400&gt; SEQUENCE: 22

E--&gt; 1743 accaatgtca tcggaggctt

1746 &lt;210&gt; SEQ ID NO: 23

1747 &lt;211&gt; LENGTH: 21

1748 &lt;212&gt; TYPE: DNA

1749 &lt;213&gt; ORGANISM: Artificial Sequence

1751 &lt;220&gt; FEATURE:

1752 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence:Reverse Primer

E--&gt; 1753 ag, 390

W--&gt; 1755 &lt;210&gt; SEQ ID NO:

W--&gt; 1755 &lt;211&gt; LENGTH:

W--&gt; 1755 &lt;212&gt; TYPE:

W--&gt; 1755 &lt;213&gt; ORGANISM:

1755 &lt;400&gt; SEQUENCE: 23

"ag" characters need to be  
 at the end of line 1739

"ag" characters need to be at  
 the end of line 1752

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```

E--> 1756 gatgtcctcg caggtcatca t 21
      1759 <210> SEQ ID NO: 24
      1760 <211> LENGTH: 23
      1761 <212> TYPE: DNA
      1762 <213> ORGANISM: Artificial Sequence
      1764 <220> FEATURE:
      1765 <223> OTHER INFORMATION: Description of Artificial Sequence:Probe Primer
E--> 1766 ag 290
W--> 1768 <210> SEQ ID NO:
W--> 1768 <211> LENGTH:
W--> 1768 <212> TYPE:
W--> 1768 <213> ORGANISM:
      1768 <400> SEQUENCE: 24
E--> 1769 tcaaagccgt cagcacaggc aca
      1787 <210> SEQ ID NO: 26
      1788 <211> LENGTH: 21
      1789 <212> TYPE: DNA
      1790 <213> ORGANISM: Artificial Sequence
      1792 <220> FEATURE:
      1793 <223> OTHER INFORMATION: Description of Artificial Sequence:Forward Primer
E--> 1794 ag 271
W--> 1796 <210> SEQ ID NO:
W--> 1796 <211> LENGTH:
W--> 1796 <212> TYPE:
W--> 1796 <213> ORGANISM:
      1796 <400> SEQUENCE: 26
E--> 1797 acctggacat agggcgtgtc t 21
      1800 <210> SEQ ID NO: 27
      1801 <211> LENGTH: 20
      1802 <212> TYPE: DNA
      1803 <213> ORGANISM: Artificial Sequence
      1805 <220> FEATURE:
      1806 <223> OTHER INFORMATION: Description of Artificial Sequence:Reverse Primer
E--> 1807 ag 271
W--> 1809 <210> SEQ ID NO:
W--> 1809 <211> LENGTH:
W--> 1809 <212> TYPE:
W--> 1809 <213> ORGANISM:
      1809 <400> SEQUENCE: 27
E--> 1810 tcgatggaag tctccttgcc 20
      1838 <210> SEQ ID NO: 30
      1839 <211> LENGTH: 20
      1840 <212> TYPE: DNA
      1841 <213> ORGANISM: Artificial Sequence
      1843 <220> FEATURE:
      1844 <223> OTHER INFORMATION: Description of Artificial Sequence:Forward Primer
E--> 1845 ag 72
W--> 1847 <210> SEQ ID NO:
W--> 1847 <211> LENGTH:

```

*"ag" characters need to be at end of line 1765.*

*Global Errors 23*

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```

W--> 1847 <212> TYPE:
W--> 1847 <213> ORGANISM:
      1847 <400> SEQUENCE: 30
E--> 1848 cggaaaagacc cagcagtgtt                20
      1851 <210> SEQ ID NO: 31
      1852 <211> LENGTH: 25
      1853 <212> TYPE: DNA
      1854 <213> ORGANISM: Artificial Sequence
      1856 <220> FEATURE:
      1857 <223> OTHER INFORMATION: Description of Artificial Sequence:Reverse Primer
E--> 1858      ag 72
W--> 1860 <210> SEQ ID NO:
W--> 1860 <211> LENGTH:
W--> 1860 <212> TYPE:
W--> 1860 <213> ORGANISM:
      1860 <400> SEQUENCE: 31
E--> 1861 atgatgtgaa cgagtgtgag tcctt            25
      1893 <210> SEQ ID NO: 34
      1894 <211> LENGTH: 22
      1895 <212> TYPE: DNA
      1896 <213> ORGANISM: Artificial Sequence
      1898 <220> FEATURE:
      1899 <223> OTHER INFORMATION: Description of Artificial Sequence:Forward Primer
E--> 1900      ag 248
W--> 1902 <210> SEQ ID NO:
W--> 1902 <211> LENGTH:
W--> 1902 <212> TYPE:
W--> 1902 <213> ORGANISM:
      1902 <400> SEQUENCE: 34
E--> 1903 tttccaacaa gatctgcaac ca                22
      1906 <210> SEQ ID NO: 35
      1907 <211> LENGTH: 17
      1908 <212> TYPE: DNA
      1909 <213> ORGANISM: Artificial Sequence
      1911 <220> FEATURE:
      1912 <223> OTHER INFORMATION: Description of Artificial Sequence:Reverse Primer
E--> 1913      ag 248
W--> 1915 <210> SEQ ID NO:
W--> 1915 <211> LENGTH:
W--> 1915 <212> TYPE:
W--> 1915 <213> ORGANISM:
      1915 <400> SEQUENCE: 35
E--> 1916 aggtagccccg cgcagag                    17
      1947 <210> SEQ ID NO: 38
      1948 <211> LENGTH: 25
      1949 <212> TYPE: DNA
      1950 <213> ORGANISM: Artificial Sequence
      1952 <220> FEATURE:
      1953 <223> OTHER INFORMATION: Description of Artificial Sequence:Forward Primer

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Input Set : A:\Cura-251.app

Output Set: N:\CRF3\09192001\I825751.raw

E--&gt; 1954 ag 287

W--&gt; 1956 &lt;210&gt; SEQ ID NO:

W--&gt; 1956 &lt;211&gt; LENGTH:

W--&gt; 1956 &lt;212&gt; TYPE:

W--&gt; 1956 &lt;213&gt; ORGANISM:

1956 &lt;400&gt; SEQUENCE: 38

E--&gt; 1957 aactcagact gcaattgtga tgaaa

25

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Input Set : A:\Cura-251.app

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L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:1740 M:254 E: No. of Bases conflict, LENGTH:Input:390 Counted:2 SEQ:22  
L:1740 M:112 C: (48) String data converted to lower case,  
L:1740 M:252 E: No. of Seq. differs, <211>LENGTH:Input:20 Found:2 SEQ:22  
L:1742 M:282 W: Numeric Field Identifier Missing, <210> is required.  
L:1742 M:282 W: Numeric Field Identifier Missing, <211> is required.  
L:1742 M:282 W: Numeric Field Identifier Missing, <212> is required.  
L:1742 M:282 W: Numeric Field Identifier Missing, <213> is required.  
L:1753 M:254 E: No. of Bases conflict, LENGTH:Input:390 Counted:2 SEQ:23  
M:112 Repeated in SeqNo=23  
L:1753 M:252 E: No. of Seq. differs, <211>LENGTH:Input:21 Found:2 SEQ:23  
L:1755 M:282 W: Numeric Field Identifier Missing, <210> is required.  
L:1755 M:282 W: Numeric Field Identifier Missing, <211> is required.  
L:1755 M:282 W: Numeric Field Identifier Missing, <212> is required.  
L:1755 M:282 W: Numeric Field Identifier Missing, <213> is required.  
L:1766 M:254 E: No. of Bases conflict, LENGTH:Input:390 Counted:2 SEQ:24  
M:112 Repeated in SeqNo=24  
L:1766 M:252 E: No. of Seq. differs, <211>LENGTH:Input:23 Found:2 SEQ:24  
L:1768 M:282 W: Numeric Field Identifier Missing, <210> is required.  
L:1768 M:282 W: Numeric Field Identifier Missing, <211> is required.  
L:1768 M:282 W: Numeric Field Identifier Missing, <212> is required.  
L:1768 M:282 W: Numeric Field Identifier Missing, <213> is required.  
L:1794 M:254 E: No. of Bases conflict, LENGTH:Input:271 Counted:2 SEQ:26  
M:112 Repeated in SeqNo=26  
L:1794 M:252 E: No. of Seq. differs, <211>LENGTH:Input:21 Found:2 SEQ:26  
L:1796 M:282 W: Numeric Field Identifier Missing, <210> is required.  
L:1796 M:282 W: Numeric Field Identifier Missing, <211> is required.  
L:1796 M:282 W: Numeric Field Identifier Missing, <212> is required.  
L:1796 M:282 W: Numeric Field Identifier Missing, <213> is required.  
L:1807 M:254 E: No. of Bases conflict, LENGTH:Input:271 Counted:2 SEQ:27  
M:112 Repeated in SeqNo=27  
L:1807 M:252 E: No. of Seq. differs, <211>LENGTH:Input:20 Found:2 SEQ:27  
L:1809 M:282 W: Numeric Field Identifier Missing, <210> is required.  
L:1809 M:282 W: Numeric Field Identifier Missing, <211> is required.  
L:1809 M:282 W: Numeric Field Identifier Missing, <212> is required.  
L:1809 M:282 W: Numeric Field Identifier Missing, <213> is required.  
L:1845 M:254 E: No. of Bases conflict, LENGTH:Input:72 Counted:2 SEQ:30  
M:112 Repeated in SeqNo=30  
L:1845 M:252 E: No. of Seq. differs, <211>LENGTH:Input:20 Found:2 SEQ:30  
L:1847 M:282 W: Numeric Field Identifier Missing, <210> is required.  
L:1847 M:282 W: Numeric Field Identifier Missing, <211> is required.  
L:1847 M:282 W: Numeric Field Identifier Missing, <212> is required.  
L:1847 M:282 W: Numeric Field Identifier Missing, <213> is required.  
L:1858 M:254 E: No. of Bases conflict, LENGTH:Input:72 Counted:2 SEQ:31  
M:112 Repeated in SeqNo=31  
L:1858 M:252 E: No. of Seq. differs, <211>LENGTH:Input:25 Found:2 SEQ:31  
L:1860 M:282 W: Numeric Field Identifier Missing, <210> is required.  
L:1860 M:282 W: Numeric Field Identifier Missing, <211> is required.

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L:1860 M:282 W: Numeric Field Identifier Missing, <212> is required.  
L:1860 M:282 W: Numeric Field Identifier Missing, <213> is required.  
L:1900 M:254 E: No. of Bases conflict, LENGTH:Input:248 Counted:2 SEQ:34  
M:112 Repeated in SeqNo=34  
L:1900 M:252 E: No. of Seq. differs, <211>LENGTH:Input:22 Found:2 SEQ:34  
L:1902 M:282 W: Numeric Field Identifier Missing, <210> is required.  
L:1902 M:282 W: Numeric Field Identifier Missing, <211> is required.  
L:1902 M:282 W: Numeric Field Identifier Missing, <212> is required.  
L:1902 M:282 W: Numeric Field Identifier Missing, <213> is required.  
L:1913 M:254 E: No. of Bases conflict, LENGTH:Input:248 Counted:2 SEQ:35  
M:112 Repeated in SeqNo=35  
L:1913 M:252 E: No. of Seq. differs, <211>LENGTH:Input:17 Found:2 SEQ:35  
L:1915 M:282 W: Numeric Field Identifier Missing, <210> is required.  
L:1915 M:282 W: Numeric Field Identifier Missing, <211> is required.  
L:1915 M:282 W: Numeric Field Identifier Missing, <212> is required.  
L:1915 M:282 W: Numeric Field Identifier Missing, <213> is required.  
L:1954 M:254 E: No. of Bases conflict, LENGTH:Input:287 Counted:2 SEQ:38  
M:112 Repeated in SeqNo=38  
L:1954 M:252 E: No. of Seq. differs, <211>LENGTH:Input:25 Found:2 SEQ:38  
L:1956 M:282 W: Numeric Field Identifier Missing, <210> is required.  
L:1956 M:282 W: Numeric Field Identifier Missing, <211> is required.  
L:1956 M:282 W: Numeric Field Identifier Missing, <212> is required.  
L:1956 M:282 W: Numeric Field Identifier Missing, <213> is required.  
L:1967 M:254 E: No. of Bases conflict, LENGTH:Input:287 Counted:2 SEQ:39  
M:112 Repeated in SeqNo=39  
L:1967 M:252 E: No. of Seq. differs, <211>LENGTH:Input:28 Found:2 SEQ:39  
L:1969 M:282 W: Numeric Field Identifier Missing, <210> is required.  
L:1969 M:282 W: Numeric Field Identifier Missing, <211> is required.  
L:1969 M:282 W: Numeric Field Identifier Missing, <212> is required.  
L:1969 M:282 W: Numeric Field Identifier Missing, <213> is required.  
L:2007 M:254 E: No. of Bases conflict, LENGTH:Input:252 Counted:2 SEQ:42  
M:112 Repeated in SeqNo=42  
L:2007 M:252 E: No. of Seq. differs, <211>LENGTH:Input:19 Found:2 SEQ:42  
L:2009 M:282 W: Numeric Field Identifier Missing, <210> is required.  
L:2009 M:282 W: Numeric Field Identifier Missing, <211> is required.  
L:2009 M:282 W: Numeric Field Identifier Missing, <212> is required.  
L:2009 M:282 W: Numeric Field Identifier Missing, <213> is required.  
L:2020 M:254 E: No. of Bases conflict, LENGTH:Input:252 Counted:2 SEQ:43  
M:112 Repeated in SeqNo=43  
L:2020 M:252 E: No. of Seq. differs, <211>LENGTH:Input:24 Found:2 SEQ:43  
L:2022 M:282 W: Numeric Field Identifier Missing, <210> is required.  
L:2022 M:282 W: Numeric Field Identifier Missing, <211> is required.  
L:2077 M:254 E: No. of Bases conflict, LENGTH:Input:16 Counted:2 SEQ:46  
M:112 Repeated in SeqNo=46  
L:2077 M:252 E: No. of Seq. differs, <211>LENGTH:Input:20 Found:2 SEQ:46  
L:2090 M:254 E: No. of Bases conflict, LENGTH:Input:16 Counted:2 SEQ:47  
M:112 Repeated in SeqNo=47  
L:2090 M:252 E: No. of Seq. differs, <211>LENGTH:Input:20 Found:2 SEQ:47  
L:2103 M:254 E: No. of Bases conflict, LENGTH:Input:16 Counted:2 SEQ:48

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M:112 Repeated in SeqNo=48

L:2103 M:252 E: No. of Seq. differs, &lt;211&gt;LENGTH:Input:23 Found:2 SEQ:48

L:2133 M:254 E: No. of Bases conflict, LENGTH:Input:177 Counted:2 SEQ:50

M:112 Repeated in SeqNo=50

L:2133 M:252 E: No. of Seq. differs, &lt;211&gt;LENGTH:Input:18 Found:2 SEQ:50

L:2146 M:254 E: No. of Bases conflict, LENGTH:Input:177 Counted:2 SEQ:51

M:112 Repeated in SeqNo=51

L:2146 M:252 E: No. of Seq. differs, &lt;211&gt;LENGTH:Input:20 Found:2 SEQ:51

L:2159 M:254 E: No. of Bases conflict, LENGTH:Input:177 Counted:2 SEQ:52

M:112 Repeated in SeqNo=52

L:2159 M:252 E: No. of Seq. differs, &lt;211&gt;LENGTH:Input:24 Found:2 SEQ:52

L:2236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57

L:2237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57

L:2247 M:254 E: No. of Bases conflict, LENGTH:Input:191 Counted:2 SEQ:58

L:2247 M:112 C: (48) String data converted to lower case,

L:2247 M:252 E: No. of Seq. differs, &lt;211&gt;LENGTH:Input:24 Found:2 SEQ:58

L:2260 M:254 E: No. of Bases conflict, LENGTH:Input:191 Counted:2 SEQ:59

M:112 Repeated in SeqNo=59

L:2260 M:252 E: No. of Seq. differs, &lt;211&gt;LENGTH:Input:21 Found:2 SEQ:59

L:2291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61